

# (12) United States Patent

### Farahani et al.

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#### (54) PORTABLE COMPUTING SYSTEM

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	G06F 3/01	(2006.01)
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CPC ...... G06F 1/1656 (2013.01); G06F 1/16 (2013.01); G06F 1/1616 (2013.01); G06F

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G06F	1/168	33 (2	013.0	01); <b>(</b>	706F	3/01	(2013)	3.01);
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#### Field of Classification Search

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#### (57)**ABSTRACT**

A portable electronic device having several features is disclosed. The device can include a retention member that retains flexible circuits extending from a top portion to a bottom portion of the device, thereby allowing some components to be moved from a top portion of the device to a bottom portion. The device may include a cover plate can be secured with a display in the top portion to cover the retention member and other internal components. The device can include an omni-directional port designed to receive a connector different orientations and provide power to the device. The device can include a flexible keyboard having butterfly keycaps. The device can include an array of openings for an audio driver, with some of the array including through holes and blind holes. The device can also include a touch pad having a force feedback sensor and a haptic device.

## 20 Claims, 28 Drawing Sheets

